

Graphical User Interface

150

Application Specification 100

Categories	Please Select One or More
Word Processing	<input type="radio"/>
Palm-Top Organizer	<input type="radio"/>
Calendar Program	<input type="radio"/>
Web Browser	<input type="radio"/>
Communications Package	<input type="radio"/>
Voice Recognition	<input type="radio"/>
Spread Sheet	<input type="radio"/>

Performance/Power Levels Specification 102

Categories	Please Select One
Maximum performance	<input type="radio"/>
Standard Performance -- High End	<input type="radio"/>
Standard Performance -- Low End	<input type="radio"/>
Maximum Battery Life	<input type="radio"/>

Fig. 1A

Graphical User Interface

150

Application Specification 100

Categories

Please Select
One or More

Word Processing
Palm-Top Organizer
Calendar Program
Web Browser
Communications Package
Voice Recognition
Spread Sheet

☐
☐
☐
☐
☐
☐
☐

Performance/Power Levels Specification 102

Categories

Please Adjust
Slider

Maximum performance
Standard Performance -- High End
Standard Performance -- Low End
Maximum Battery Life

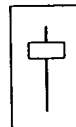


FIG. 1B

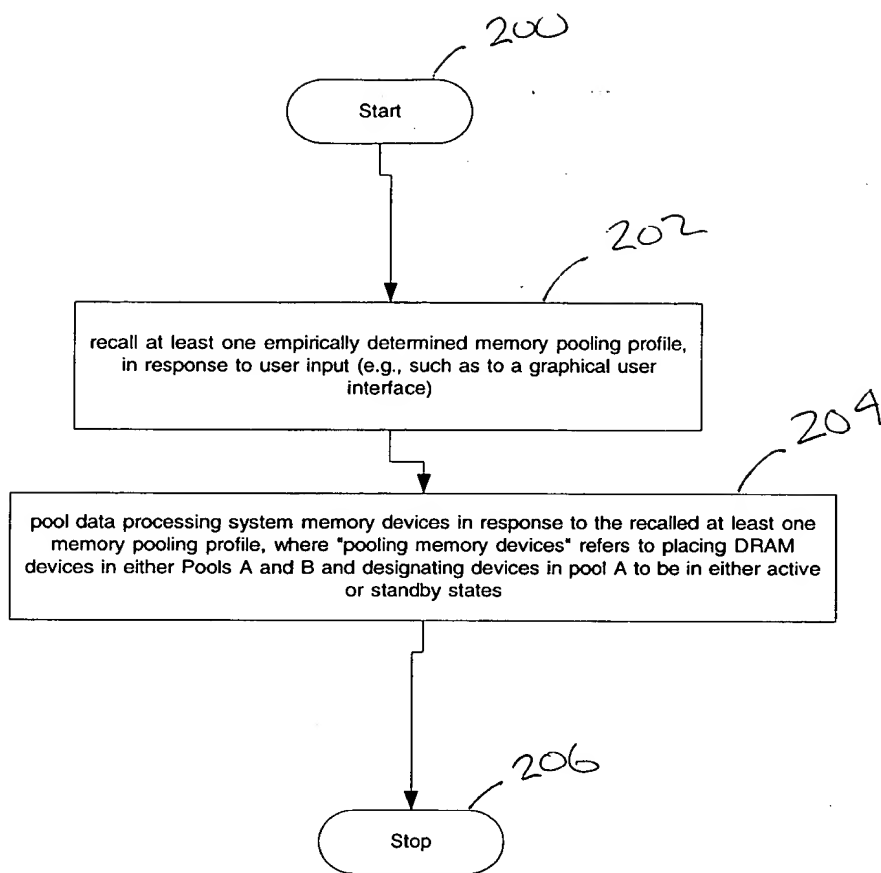


FIG. 2

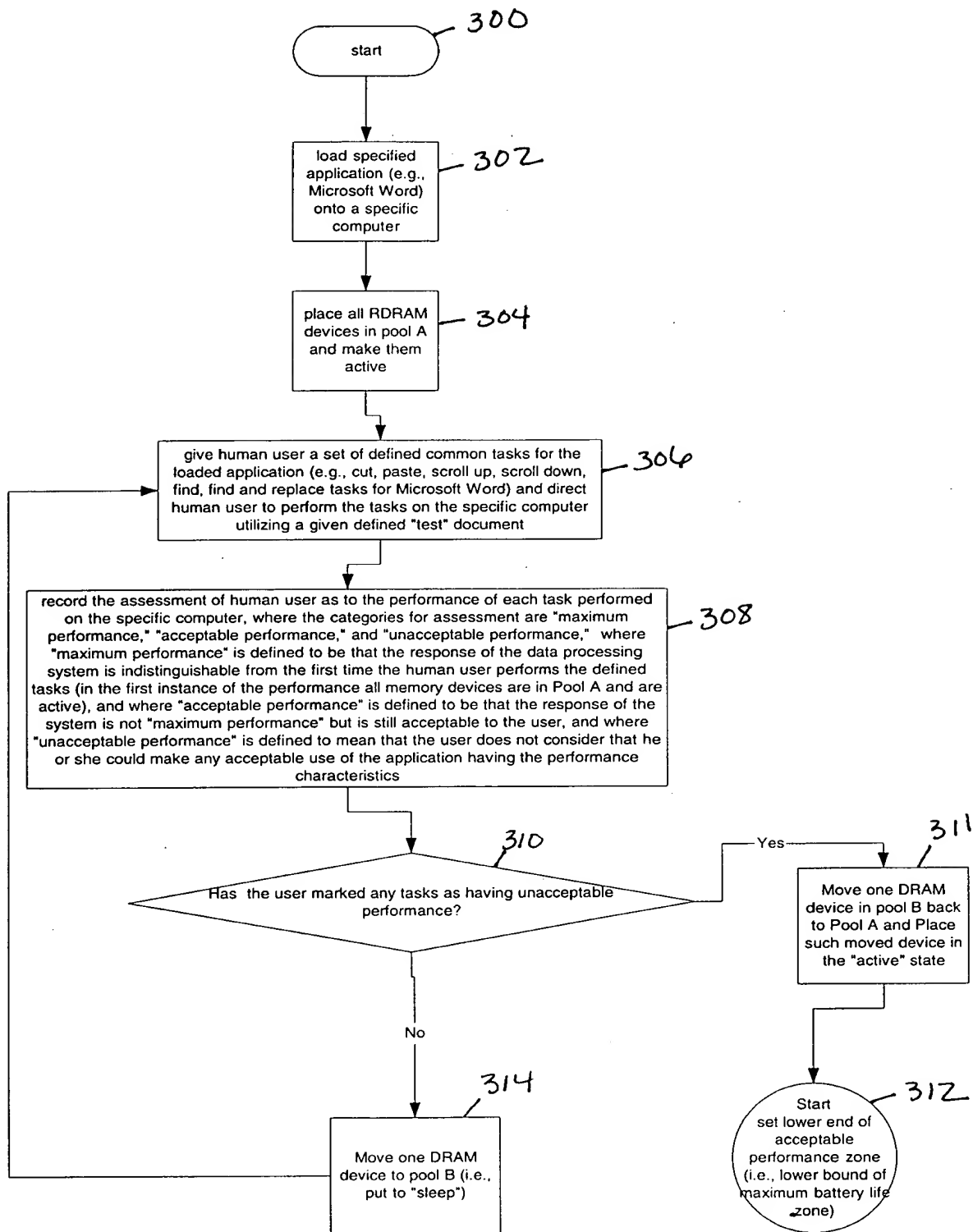


FIG. 3

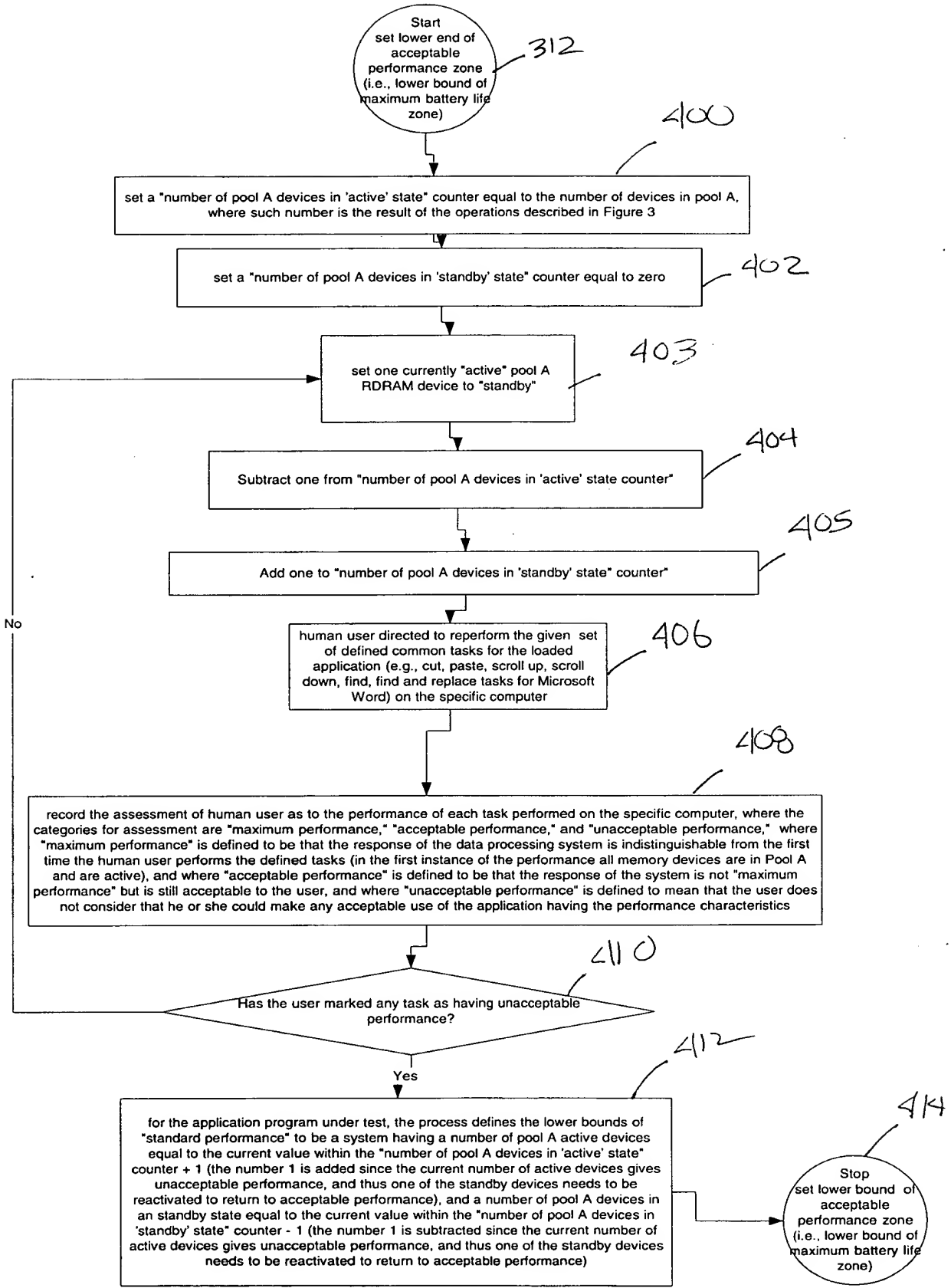


FIG. 4

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graph TD
    Start([start]) --> 502[load specified application (e.g., Microsoft Word) onto a specific computer]
    502 --> 504[place all RDRAM devices in pool A and make them active]
    504 --> 506[give human user a set of defined common tasks for the loaded application (e.g., cut, paste, scroll up, scroll down, find, find and replace tasks for Microsoft Word) and direct human user to perform the tasks on the specific computer utilizing a given defined "test" document]
    506 --> 508[record the assessment of human user as to the performance of each task performed on the specific computer, where the categories for assessment are "maximum performance," "acceptable performance," and "unacceptable performance," where "maximum performance" is defined to be that the response of the data processing system is indistinguishable from the first time the human user performs the defined tasks (in the first instance of the performance all memory devices are in Pool A and are active), and where "acceptable performance" is defined to be that the response of the system is not "maximum performance" but is still acceptable to the user, and where "unacceptable performance" is defined to mean that the user does not consider that he or she could make any acceptable use of the application having the performance characteristics]
    508 --> 510{Has the user marked any task as having less-than-maximum performance?}
    510 -- Yes --> 511[Move one DRAM device in pool B back to Pool A and Place such moved device in the "active" state]
    510 -- No --> 514[One DRAM device is moved to pool B (i.e., put to "sleep")]
    511 --> 512((Start set high end of standard performance zone))
    514 --> 506
  
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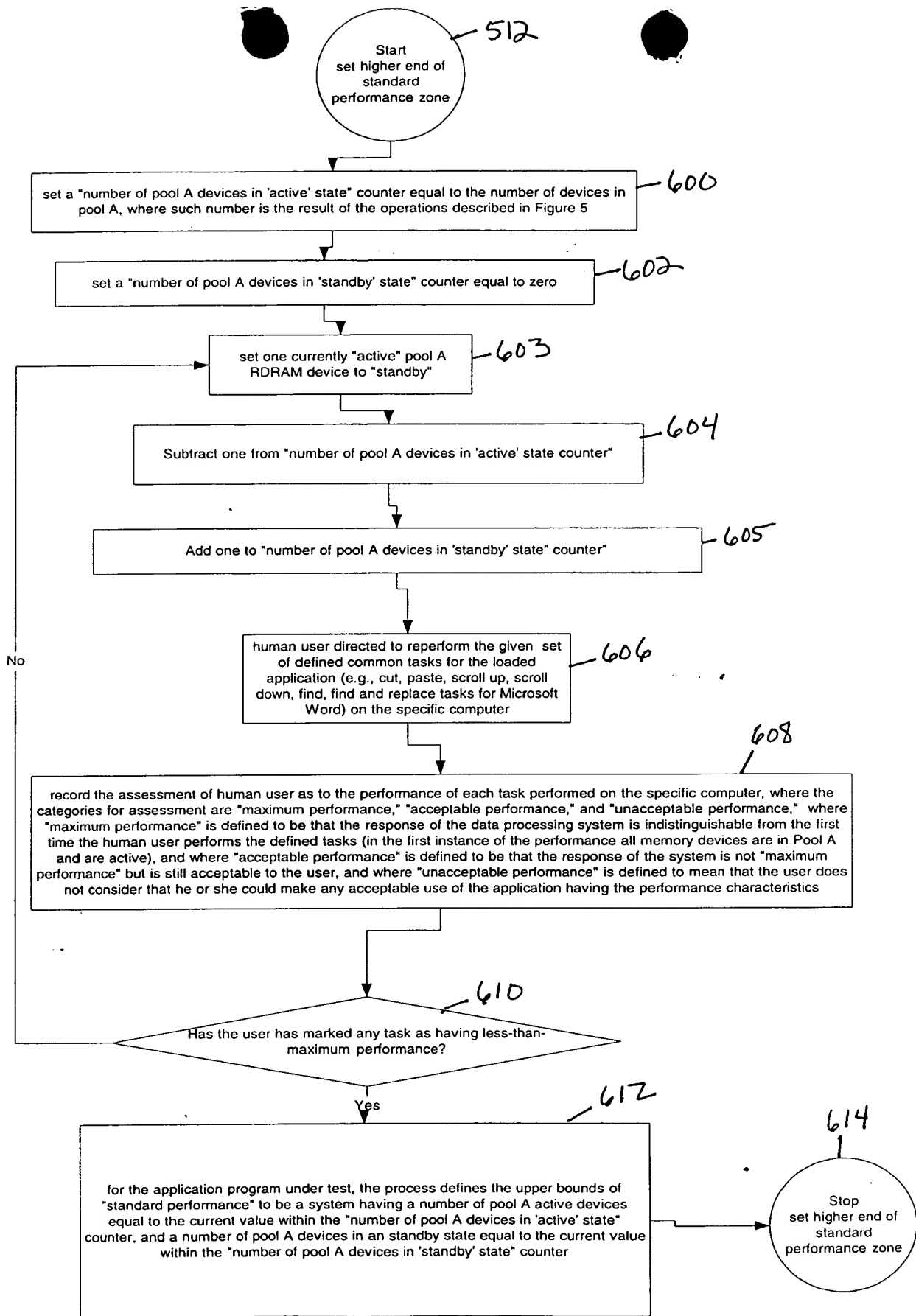


FIG. 6

034270 505050

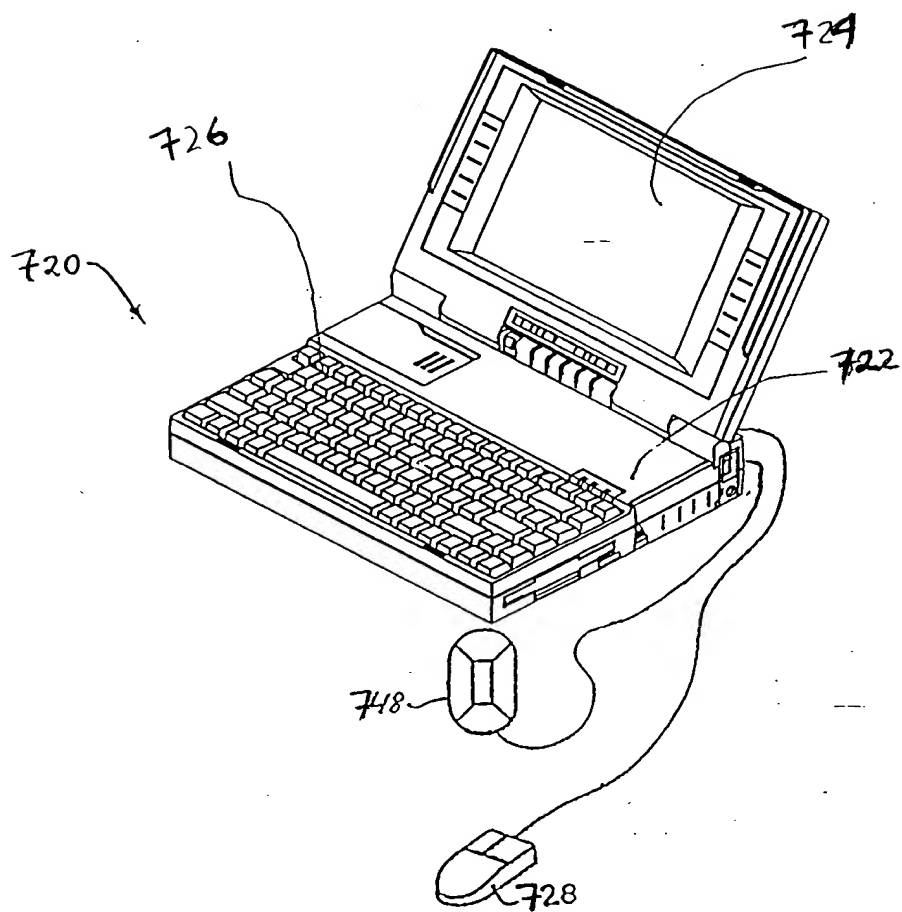


FIG 7

